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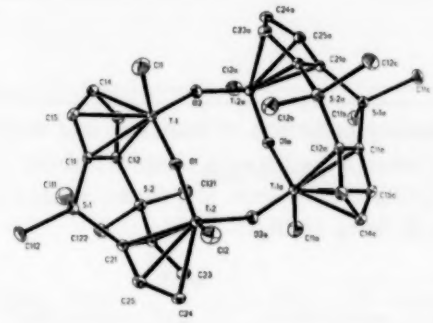

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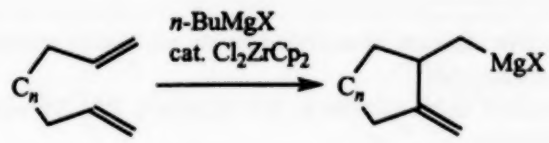

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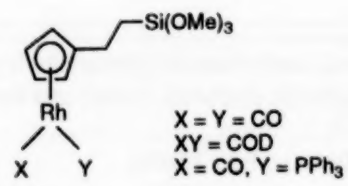

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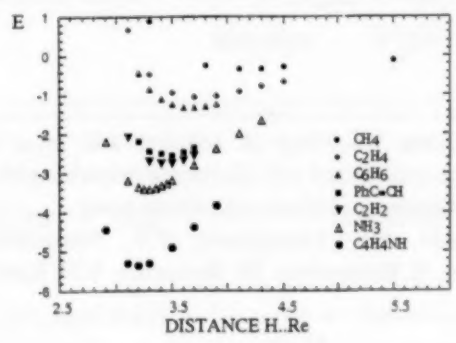

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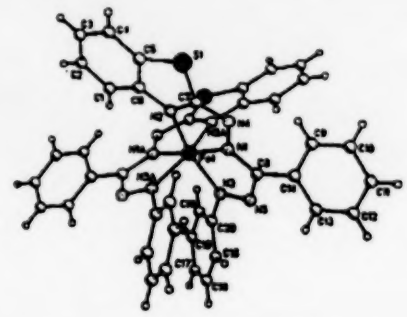
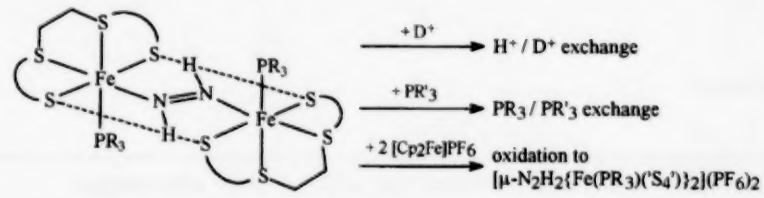
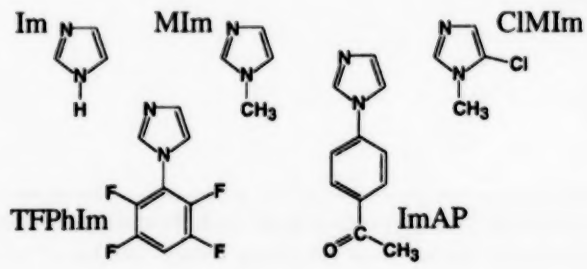
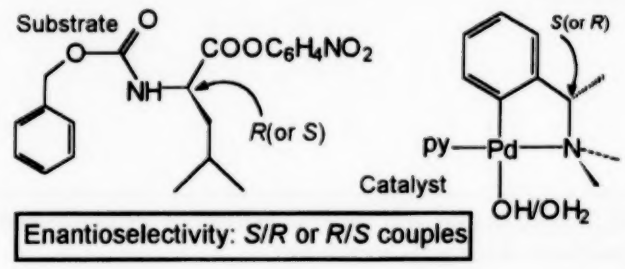
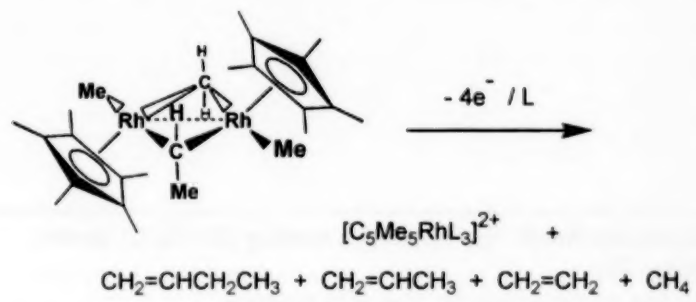
Iron and manganese complexes of benzothiazolylformazans ..... D.A. Brown, H. Bögge, G.N. Lipunova, A. Müller, W. Plass, K.G. Walsh	30	
Transition metal complexes with sulfur ligands Part CXXIX. Retention and reactivity of the [Fe=NH=NH=Fe] chromophore in the iron sulfur diazene complex [μ-N_2H_2-{Fe(PPr_3)('S_4')}$_2$] in exchange and oxidation processes. ('S_4'$^{2-}$ = 1,2-bis (2-mercaptophenylthio)ethane(2−)) ..... D. Sellmann, A. Hennige, F.W. Heinemann	39	
Metal ion-coordinating properties of imidazole and derivatives in aqueous solution: interrelation between complex stability and ligand basicity..... L.E. Kapinos, B. Song, H. Sigel	50	
Enantioselective cleavage of activated amino acid esters promoted by chiral palladacycles ..... A.D. Ryabov, G.M. Kazankov, S.A. Kurzeev, P.V. Samuleev, V.A. Polyakov	57	
Dialkyl-μ-ethylidene-μ-methylene-bis(pentamethylcyclopentadienyl)-dirhodium complexes: synthesis, spectra and decomposition reactions ..... Z.-Q. Wang, J. Martínez, P.M. Maitlis	62	
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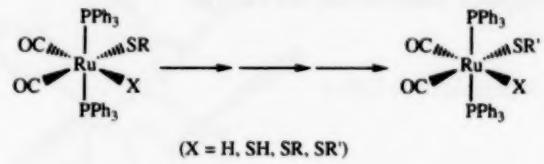
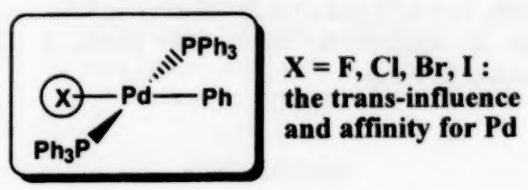
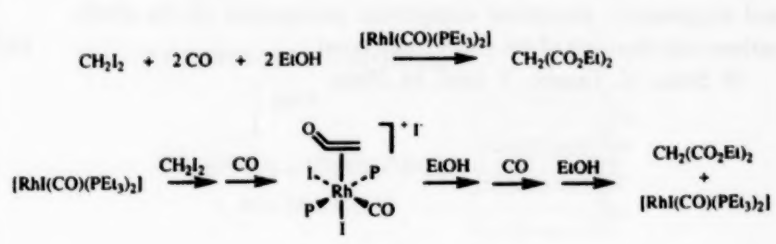
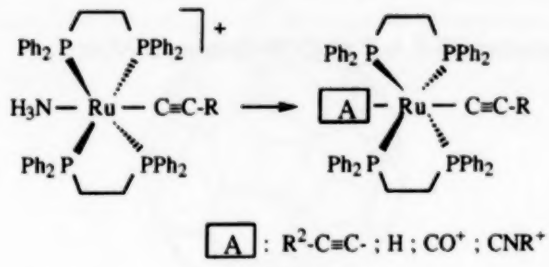
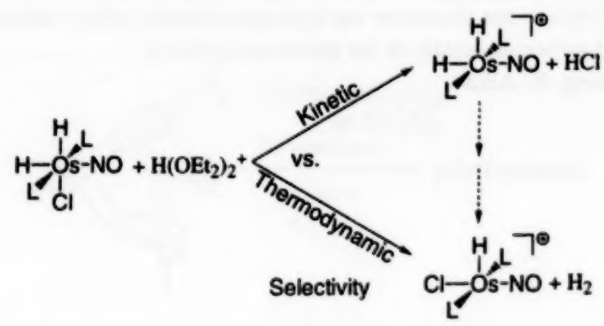
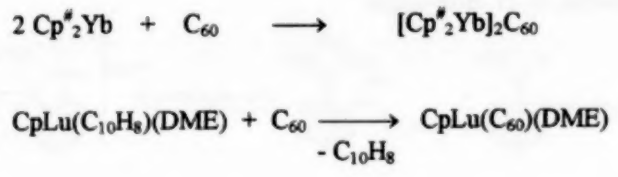
Intramolecular protonation and other mechanisms for substitution reactions of hydrido(thiolato)– and di(thiolato)–ruthenium(II) phosphine complexes ..... P.G. Jessop, B.R. James	75	
The *trans* influence of F, Cl, Br and I ligands in a series of square-planar Pd(II) complexes. Relative affinities of halide anions for the metal centre in *trans*-[$(Ph_3P)_2Pd(Ph)X$] ..... J.P. Flemming, M.C. Pilon, O.Ya. Borbulevitch, M.Yu. Antipin, V.V. Grushin	87	
The dicarbonylation of diiodomethane to malonate esters catalysed by triethylphosphine complexes of rhodium ..... W.S. Weston, D.J. Cole-Hamilton	99	
Ammonia ruthenium complexes for the access to new hydrido, carbonyl and isocyanide ruthenium-alkynyl derivatives ..... D. Touchard, S. Guesmi, L. Le Pichon, A. Daridor, P.H. Dixneuf	118	
Electrophilic abstractions on $Os(H)_2X(NO)L_2$: selective access to new unsaturated cationic Os(II) hydrides ..... D.V. Yandulov, W.E. Streib, K.G. Caulton	125	
C_{60}-fullerenides of ytterbium and lutetium ..... M.N. Bochkarev, I.L. Fedushkin, V.I. Nevodchikov, A.V. Protchenko, H. Schumann, F. Girgsdies	138	

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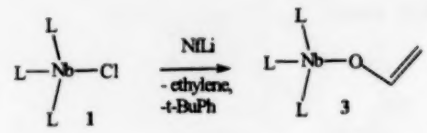

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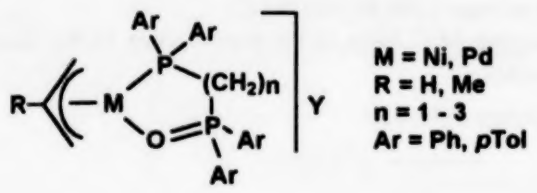

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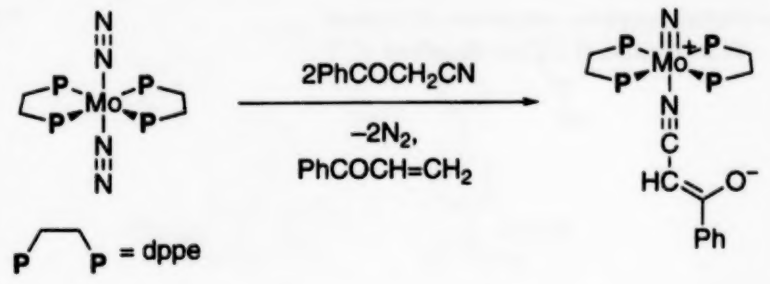

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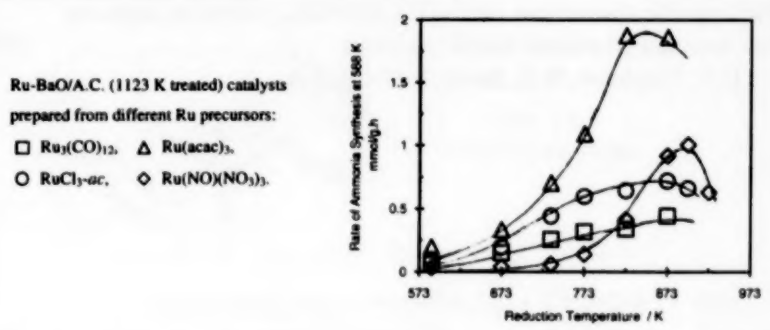

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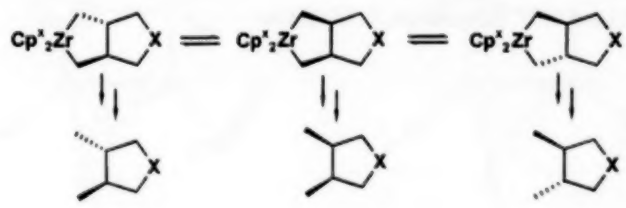
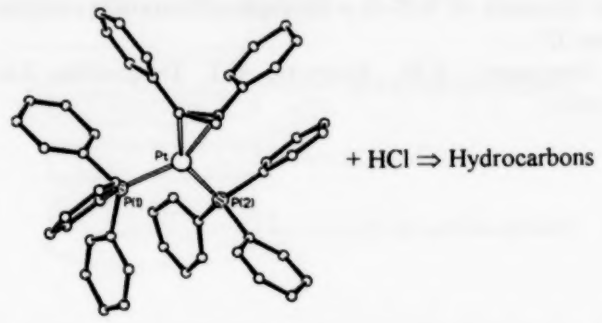
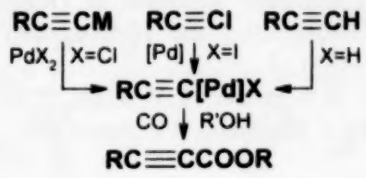
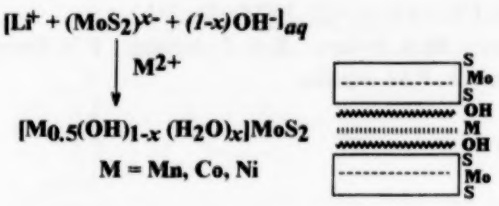
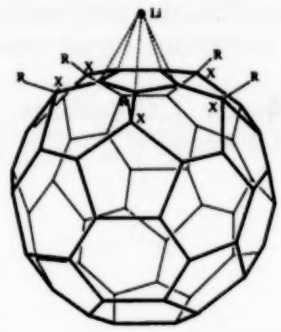
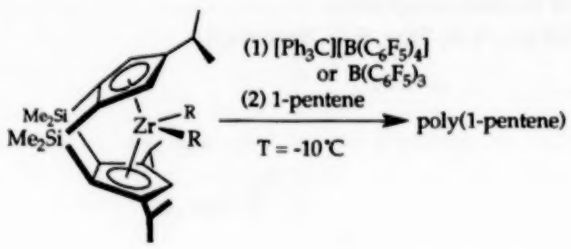
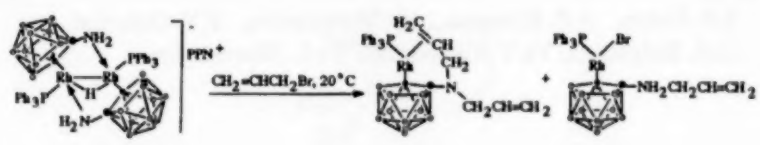


Protonation of cyclopropene complexes of platinum(0) and the reduction of cyclopropene by nitrogenases..... 193 G.J. Leigh, C.E. McKenna, C.N. Mc Mahon	
Mechanisms of ≡C–H bond activation in oxidative carbonylations of alkynes catalyzed by palladium complexes ..... 202 L.G. Bruk, O.N. Temkin	
X-ray absorption fine structure study of the atomic and electronic structure of molybdenum disulfide intercalation compounds with transition metals ..... 211 Y.V. Zubavichus, Y.L. Slovokhotov, P.J. Schilling, R.C. Tittsworth, A.S. Golub, G.A. Protzenko, Y.N. Novikov	
Simulation of the molecular and electronic structure of heterofullerenes $C_{55}Y_5$ (Y = Si, Ge, Sn, B, Al, N, P, SiH, GeH, SnH) and their η^5-π-complexes with Li by the MNDO method ..... 219 A.L. Chistyakov, I.V. Stankevich	
Preparation of doubly-silylene-bridged zirconocene alkyl complexes, $(Me_2Si)_2\{\eta^5\text{-}C_5H_2\text{-}4\text{-}CHMe_2\}\{\eta^5\text{-}C_5H\text{-}3,5\text{-}(CHMe_2)_2\}\text{-}ZrR_2$ (R = CH_3, CH_2Ph) and investigations of their activity in 1-pentene polymerization. Molecular structure of $(Me_2Si)_2\{\eta^5\text{-}C_5H_2\text{-}4\text{-}CHMe_2\}\{\eta^5\text{-}C_5H\text{-}3,5\text{-}(CHMe_2)_2\}Zr(CH_2Ph)_2$ ..... 226 D. Veghini, M.W. Day, J.E. Bercaw	
Synthesis, solution behavior and molecular structure of 16-electron *closo*-2-(Ph_3P)-1-N,2-$[\mu\text{-}(\eta^2\text{-}CH_2CH{=}CH_2)]$-1-N-$(\sigma\text{-}CH_2CH{=}CH_2)$-2,1-$RhCB_{10}H_{10}$, the first η^2-olefinic monocarbon metallacarborane ..... 233 I.V. Pisareva, I.T. Chizhevsky, P.V. Petrovskii, E.V. Vorontzov, V.I. Bregadze, F.M. Dolgushin, A.I. Yanovsky	

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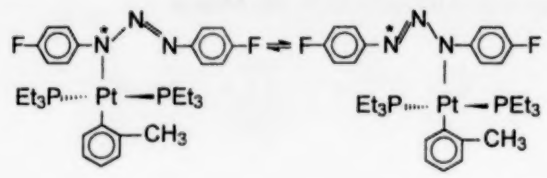

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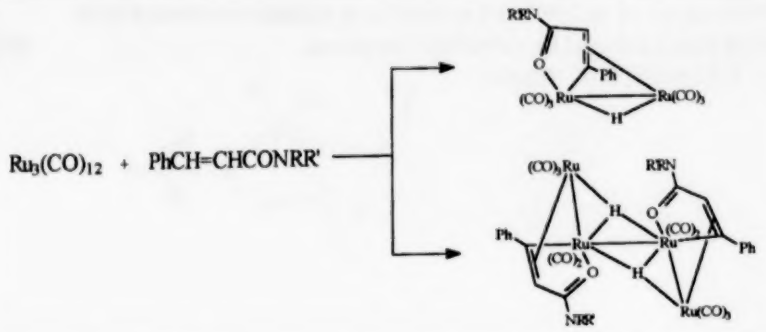

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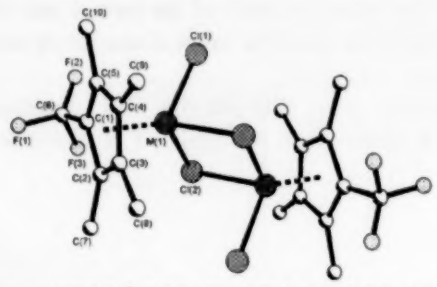

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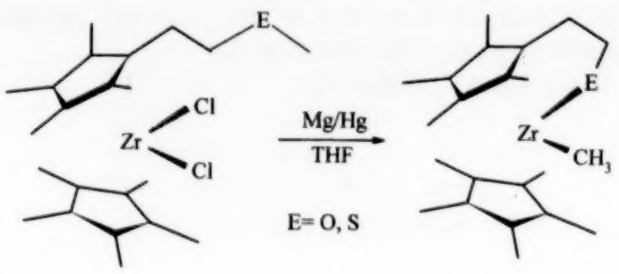

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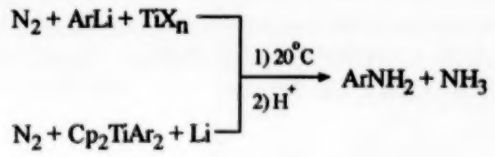

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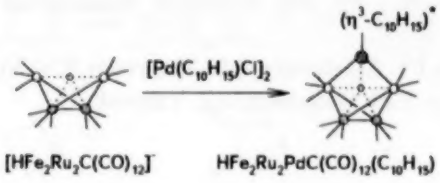
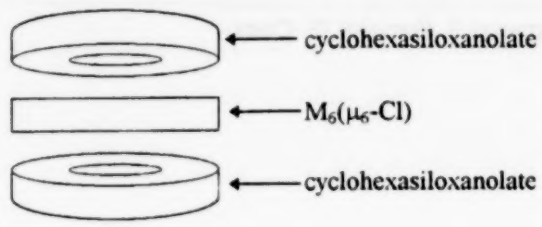
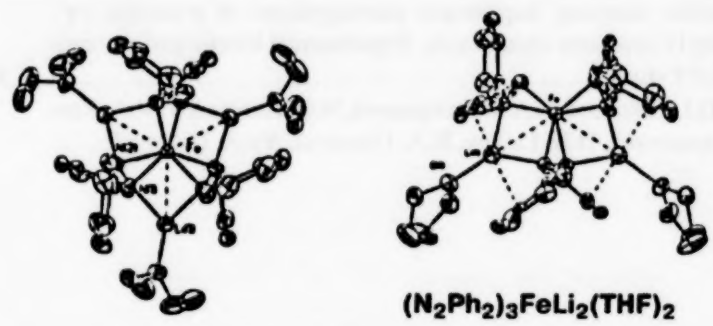
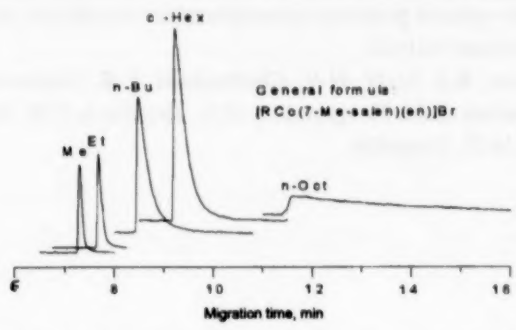
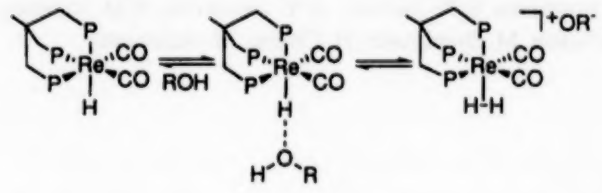
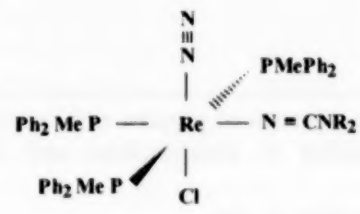
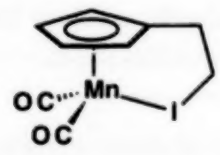
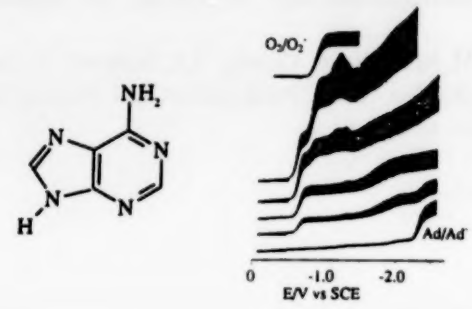
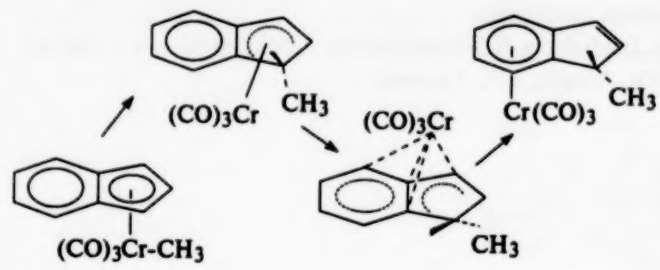
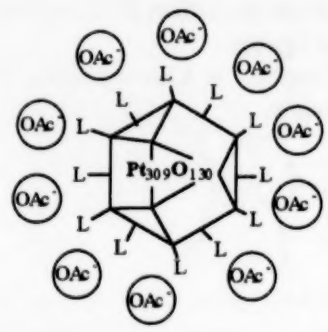
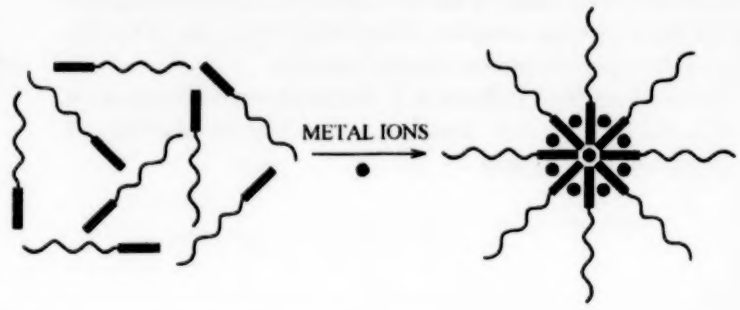


Bimetallic cyclooligosiloxanolate complexes of copper and nickel ..... C. Zucchi, M. Mattioli, A. Cornia, A.C. Fabretti, G. Gavioli, M. Pizzotti, R. Ugo, Yu.A. Pozdniakova, O.I. Shchegolikhina, A.A. Zhdanov, G. Pályi	282	
Molecular structure and reactions of azobenzene complexes with iron–lithium compounds..... T.A. Bazhenova, N.S. Emelyanova, A.F. Shestakov, A.E. Shilov, M.Yu. Antipin, K.A. Lyssenko	288	
Electrophoretic study of cationic cobalt(III) complexes with $[N_2O]$ and $[N_2O_2]$ Schiff base ligands ..... P. Nesterenko, I. Levitin, N. Chernoglazova, E. Paskonova, N. Penner, M. Tsikalova	295	
In situ IR and NMR study of the interactions between proton donors and the Re(I) hydride complex $[\{MeC(CH_2PPh_2)_3\}Re(CO)_2H]$. ReH···H bonding and proton-transfer pathways ..... E.S. Shubina, N.V. Belkova, E.V. Bakhmutova, E.V. Vorontsov, V.I. Bakhmutov, A.V. Ionidis, C. Bianchini, L. Marvelli, M. Peruzzini, L.M. Epstein	302	
Syntheses and properties of organocyanamide, cyanoguanidine and dinitrogen complexes of rhenium. Crystal structure of *mer*-$[ReCl_2(NCNEt_2)(PMePh_2)_3]$..... M.T.A.R.S. Costa, J.J.R. Fraústo da Silva, A.J.L. Pombeiro, R.A. Michelin, G. Bombieri, F. Benetollo	308	
Chelated alkyl halide manganese complexes $(\eta^5:\eta^1\text{-}C_5H_4CH_2CH_2X)Mn(CO)_2$ from photolysis of $(\eta^5\text{-}C_5H_4CH_2CH_2X)Mn(CO)_3$..... C.P. Casey, C.J. Czerwinski, M.E. Fraley	316	

Electrochemistry of dioxygen activation in the presence of adenine..... 322 C. Tavagnacco, S. Peressini, G. Costa	
Ricochet inter-ring haptotropic rearrangement of σ-methyl-(η^5-indenyl)chromium tricarbonyls. Experimental kinetic and theoretical DFT study..... 328 O.I. Trifonova, E.A. Ochertyanova, N.G. Akhmedov, V.A. Roznyatovsky, D.N. Laikov, N.A. Ustynyuk, Yu.A. Ustynyuk	
Polymeric low-valence platinum–phenanthroline complexes as precursors of platinum colloids ..... 339 I.I. Moiseev, R.I. Rudy, N.V. Cherkashina, L.K. Shubochkin, D.I. Kochubey, B.N. Novgorodov, G.A. Kryukova, V.N. Kolomiychuk, M.N. Vargaftik	
Interaction of metal compounds with 'double-hydrophilic' block copolymers in aqueous medium and metal colloid formation..... 348 L.M. Bronstein, S.N. Sidorov, A.Y. Gourkova, P.M. Valetsky, J. Hartmann, M. Breulmann, H. Cölfen, M. Antonietti	

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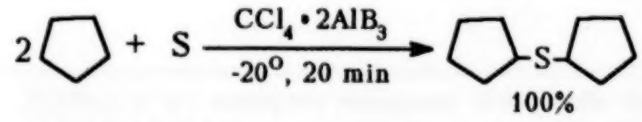
Unprecedented facile reactions of propane and cycloalkanes with elemental sulfur leading to dialkylsulfides and dicycloalkylsulfides..... 355 I. Akhrem, A. Orlinkov, S. Vitt	

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